LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 245

VANILLA FLAVOURING EXTRACT

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VANILLA FLAVOURING EXTRACT.

OTTAWA, Nov. 27, 1912.

WM. HIMSWORTH, Esq.,
Acting Deputy Minister Inland Revenue.

SIR,—I beg to hand you herewith a report covering eighty samples of Vanilla Flavouring Extract purchased throughout Canada in April and May of this year.

Standards for flavouring extracts have been published as Circular G. 1045, and came into effect November 25, 1912. These are as follows:—

1. A flavouring extract intended for the purpose of flavouring food, is a solution of correct strength, as hereinafter defined, of sapid and odorous principles derived from an aromatic plant or parts of a plant, with or without its natural colouring matters; and conforms in name to the plant used in its preparation.

2. The usual solvents employed in the preparation of flavouring extracts are ethyl alcohol, water and glycerine. In the event of any other solvents than ethyl alcohol, water and glycerine being used, such solvents shall be harmless to health, and their names shall be plainly stated on the label.

3. Solutions of natural or synthetic preparations such as vanillin, coumarin, benzaldehyde, methyl salicylate or other sapid and odorous compounds, more or less resembling substances found in plants, or absolutely identical with these, if harmless to health, may be sold for flavouring purposes, if properly labelled, so as to make it quite clear that they are not extracts as above defined; and preferably by the use of the word artificial or imitation.

4. If an extract be fortified or strengthened by having such natural or synthetic preparations as are referred to in the immediately preceding section added to it, the fact of such addition shall be clearly stated on the label, or the word Compound or Mixture shall be used to describe it.

5. Lemon extract is the flavouring extract prepared from lemon peel, or from oil of lemon, and contains along with more or less of the terpenes of lemon oil not less than two-tenths (0·2) of one per cent of citral derived from oil of lemon.

6. Terpene lemon extract is the flavouring extract prepared as above described, and contains not less than five (5) per cent of oil of lemon, and not less than two-tenths (0·2) of one per cent of citral derived from oil of lemon.

7. Vanilla extract is the flavouring extract prepared from vanilla bean with or without sugar or glycerine and contains in 100 cubic centimetres the soluble matters

from not less than five (5) grams of the vanilla bean (the dried cured fruit of Vanilla planfolia.)

Vanilla extract has been the subject of extended work by these laboratories on three (3) occasions, and the conclusions reached are stated in Bulletin No. 201 as follows:—

1. Extracts containing coumarin should be required to announce the fact either by explicit statement, or by being sold as compound or mixtures.

2. The use of alcohol is necessary in preparing an extract of vanilla, not so much to dissolve the vanillin, which is rendered more soluble by the presence of sugar, as in order to get the characteristic resins into solution. For this reason an extract cannot meet the requirements of a true vanilla bean extract unless it contains from 30 to 40 per cent of alcohol.

3. Samples containing notably more than 0·2 per cent of vanillin are presumably made not from the vanilla bean, but at least in part, from synthetic vanillin.

4. The standards above referred to will be defined with greater exactitude when our experience has furnished us with additional data such as to enable us to fix numerical limits for resins, vanillin, and other essential constituents. In the meantime it must suffice to classify on the basis of already acquired knowledge. In this regard, it must be concluded that an extract made with alcohol decidedly less than 30 per cent strength (volume) is deficient in the resinous matters of vanilla bean.

Where vanillin is decidedly above 0·200 per cent, the extract is to be regarded as artificial, as containing synthetic vanillin.

Where coumarin is present, as well as vanillin, the extract should be sold as a mixture or compound.

The following synopsis in which classifications is based upon the above considerations is interesting:—

Year.	Bulletin.	Total samples.	Genuine.	Mixture.	Artificial.	Percentage genuine.
1903	89	21	0	20	1	0
1909	201	77	7	37	33	9
1912	245	80	13	40	27	16

Of those classified as genuine, 2 samples of the collection of 1912 contained decidedly less than 30 per cent alcohol, and these should probably be designated as *doubtful* rather than as genuine.

It is satisfactory to note that the percentage of genuine samples found on the Canadian market is decidedly on the increase; and it is hoped that, on our next inspection, we shall find still more notable increase. Perhaps the most important advantage to be looked for, as a result of having legal standards for the article, is the correct labelling of vanilla extract. After this date, it will be possible to declare adulteration in the case of extracts which are offered under the name of Vanilla Extract, which being in reality prepared from synthetic vanillin, in whole or in part, or containing coumarin. Such extracts are not forbidden, and for many purposes they may be regarded as satisfactory; but it will be necessary that they should be correctly labelled, and thus be offered for what they really are.

I beg to recommend the publication of this report as Bulletin No. 245.

I have the honour to be, Sir,
Your obedient servant,

A. McGILL,
Chief Analyst.

BULLETIN No. 245—VANILLA EXTRACT.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer	Furnisher.	Inspector's Report (Is not an expression of opinion.	Results of Analysis. Vanillin per 100cc.	Coumarin per 100cc.	Alcohol by Volume.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.													
1912.													
April 26	Vanilla Extract.	47061	Morrisson & Williams, Halifax, N.S.	3 oz.	18	Imperial Extract Co., Toronto.	Manufacturers.	Shirriffs True Vanilla.	0·152	0·027	37·00	47061	Contains coumarin. Mixture.
" 26	" ..	47062	Dixon's, Ltd., Halifax, N.S.	3 " ..	30	" ..	Bauld Bros., Ltd.	.....	0·121	0·046	22·10	47062	" "
" 26	" ..	47063	Share & Campbell, Halifax, N.S.	3 " ..	30	Gorman Eckert Co., London, Ont.	Manufacturers..	....	0·143	0·050	21·35	47063	" "
May 18	" ..	47111	Nat. Drug & Chem. Co., Halifax, N.S.	3 " ..	22	Vendors.....	.....	"Sovereign" brand	0·282	0·051	Sample too small.	47111	Vanillin high. Artificial.
" 22	" ..	47112	R.B. Seeton & Co., Halifax, N.S.	3 " ..	23	F. F. Dalley Co., Hamilton, Ont.	Manufacturers..	.....	0·104	None.	30·85	47112	No coumarin. Genuine.
DISTRICT OF PRINCE EDWARD ISLAND—WM. A. WEEKS, INSPECTOR.													
May 21	Vanilla Extract.	46191	Stewart & Son, Charlottetown.	7½ oz.	75	The Imperial Extract Co., Toronto	.....	....	0·221	0·065	34·96	46191	Vanillin high. Contains coumarin. Artificial.
" 21	" ..	46192	Beer & Goff, Charlottetown.	7½ " .	75	Pure Gold Mfg. Co., Toronto.	....	.....	0·082	None.	33·90	46192	No coumarin. Genuine.
" 21	" ..	46193	R. T. Maddigan & Co., Charlottetown.	3 " .	30	The Nat. Drug & Chem. Co., Ltd., Halifax.	....	....	0·055	0·265	32·00	46193	Chiefly coumarin. Mixture.
" 21	" ..	46194	John McKenna, Charlottetown.	6 " .	30	White Swan Spices & Cereals, Ltd., Toronto.	..... .	.....	0·499	0·025	17·58	46194	Vanillin very high; contains coumarin. Artificial.
" 21	" ..	46195	I. P. Duffy, Charlottetown.	6 " .	30	White Swan Mills, Toronto.	.. ..	....	1·020	0·170	15·70	46195	" "

			lottetown.				Toronto.									

DISTRICT OF NEW BRUNSWICK—J. C. FERGUSON, INSPECTOR

April 15	Vanilla Extract.	45645	The Nat. Drug & Chem. Co., St. John, N.B.	3 bots.	30	Vendors		"Star" brand	0·086	0·023	Sample too small.	45645	Contains coumarin. Mixture.
" 15	"	45646	Dearborn & Co., St. John, N.B.	3	30	"		Dearborns	0·217	None.	32·75	45646	No coumarin. Vanillin high. Genuine.
" 16	"	45647	Geo. E. Barbeur Co., Ltd., St. John, N.B.	3 "	30	"		Acorn	0·491	0·051	25·80	45647	Vanillin very high; contains coumarin. Artificial.
May 3	"	45648	The Baird Co., Ltd. Woodstock, N.B.	3 "	30	"			0·095	None.	Sample too small.	45648	No coumarin. Genuine.
" 9	"	45649	The Sussex Mercantile Co., Ltd., Sussex, N.B.	3 "	60	"			0·125	None.	61·10	45649	" "

DISTRICT OF QUEBEC—F. X. W. E. BELAND, INSPECTOR.

April 24	Vanilla Extract.	37423	W. E. Hayfield, 60 rue Ste. Marguerite, Quebec.	3 bots.	60	Henri Joncas Co., Montreal.	W. Brunet & Cie		0·204	None.	29·30	37423	No coumarin. Vanillin high. Genuine.
" 24	"	37424	Philippe Boulet, rue Grant et Des fosses.	3 "	30	Croix Rouge, Quebec.	Manufacturer		0·394	0·101	13·10	37424	Vanillin very high. Artificial.
" 24	"	37425	Charles Boily, 194 rue St. Valier.	3 "	30	Unknown	Barbeau & Godbout.		0·230	0·082	9·12	37425	Vanillin high. Artificial.
" 24	"	37426	L. P. Martel, 64 rue du Pont.	3 "	45	Lemister, Toronto	Manufacturer		0·086	0·063	24·62	37426	Contains coumarin. Mixture.
" 24	"	37427	" "	3 "	30	"	"		0·052	0·105	9·05	37427	" "

DISTRICT OF ST. HYACINTHE-J. C. ROULEAU, INSPECTOR.

April 15	Vanilla Extract.	38981	P. Larochelle, Farnham.	3 bots.	54	Henri Jonas & Cie., Montreal.			0·2.3	none.	32·75	38981	No coumarin; vanillin high. Contains synthetic vanillin. Artificial
" 17	"	38982	Monty Freres, Granby.	3 "	60	The F. F. Dalley Co., Ltd., Hamilton.			0·121	0·046	29·30	28982	Contains coumarin. Mixture.
" 29	"	38983	H. J. Elliott, South Durham, P.Q.	3 "	75	White Swan Spices & Cereals, Ltd., Toronto.			0·508	0·065	35·05	38983	Vanillin very high. Artificial.

BULLETIN No. 245—VANILLA EXTRACT.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report (Is not an expression of opinion.)	Results of Analysis. Vanillin per 100cc.	Coumarin per 100cc.	Alcohol by Volume.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
DISTRICT OF ST. HYACINTHE—J. C. ROULEAU, INSPECTOR—*Concluded.*													
1912.													
May 2	Vanilla Extract.	38984	J. A. Foucault, St. Leonard Jct.	3 bots.	30	Henri Jonas & Cie., Montreal.	.....	.....	0·265	none.	31·20	38984	No coumarin. Vanillin high. Contains synthetic vanillin. Artificial
" 6	" ..	38985	L. Gendreau, St. Hyacinthe.	3 " .	30	J. V. Boudrias. Montreal.	....	....	0·304	0·069	12·90	38985	Vanillin high. Artificial.
DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR.													
April 15	Vanilla Extract.	39990	J. A. Turgeon, 42 Victoria st., Montreal.	3 bots.	30	.....	.....	"Gold" Star.....	0·056	none.	15·00	39990	No coumarin. Genuine; but alcohol too low.
" 15	" ..	39991	L. A. Pauze, 140 Villeneuve st., W., Montreal.	3 " .	45	Henri Jonas & Co., Montreal.	.. ..	.....	0·273	"	33·05	39991	No coumarin. Vanillin high. Contains synthetic vanillin. Artificial.
" 15	" ..	39992	Annex Provision Co., 120 Clark st., Montreal.	3 "	30	....	....	Thistle (our own).	0·043	0·090	13·60	39992	Contains coumarin. Mixture.
" 15	" .	39993	" ..	3 " .	75	....	....	Shirriffs.....	0·243	0·055	38·78	39993	Vanillin high. Contains coumarin. Artificial.
" 15	" ..	39994	D. Ashkanase, 21 Maria Anne st. E., Montreal.	3 " .	30	.....	....	Princess.....	0·078	0·078	13·95	39994	Contains coumarin. Mixture.

DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.

April 23	Vanilla Extract.	51601	F. A. Scott & Son, Wellington st., Ottawa.	3 bots.	75	Shirriffs, Toronto..	H. N. Bate & Sons, Ottawa.	Labelled Shirriffs Imperial Quintessence true vanilla	0·217	0·046	38·78	51601	Vanillin high. Contains coumarin. Mixture.
" 23	" ..	51602	R. Clark Cummings, Cummings' Bridge.	3 " .	30	Integrity Mills, Toronto.	Lister Pure Food Co., Toronto.	.....	0·035	0·106	8·98	51602	Contains coumarin. Mixture.
" 23	" ..	51603	G. J. Young, Ottawa.	3 " .	75	L. Crossman, Ottawa.	Manufacturer ..	.....	0·119	0·060	9·90	51603	Vanillin very high. Artificial.
" 25	" ..	51604	W. F. Garland, Ottawa.	3 " .	45	Nat. Drug & Chem. Co., Ottawa.	" ..	.....	0·391	0·147	12·55	51604	Vanillin very high. Artificial.
" 25	" ..	51605	Hull Medical Hall, Hull, P.Q.	3 " .	30	Unknown	— Farley, Hull.	.....	1·588	0·202	22·10	51605	Vanillin very high. Artificial.

DISTRICT OF KINGSTON—JAS. HOGAN, INSPECTOR.

April 15	Vanilla Extract.	49560	Albert Powers, Picton.	3 bots.	25	I. E. Co., Toronto.	.....	.....	0·100	0·028	14·65	49560	Contains coumarin. Mixture.
" 16	" ..	49561	Hooey & Son, Cobourg.	3 "	25	" ..	.....	.....	0·139	0·055	20·25	49561	Contains coumarin. Mixture.
" 16	" ..	49562	John Curtis, Port Hope.	3 " .	60	Pure Gold Co., Toronto.	.....	.....	0·074	none.	28·90	49562	No coumarin. Genuine.
" 17	" ..	49563	J. R. Bell, Peterboro.	3 " .	30	Vendor	.....	.....	0·152	0·069	20·94	49563	Contains coumarin. Mixture.
" 17	" ..	49564	Dutton Co., Peterboro.	3 " .	30	Todhunter & Mitchell, Toronto.	.....	.....	0·191	0·064	10·20	49564	Contains coumarin Mixture.

DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.

April 18	Vanilla Extract.	49387	The Elms Cash grocery, 974 Queen St., W., Toronto.	3 bots.	23	.....	Imperial Extract Co., Toronto.	Maple Leaf	0·018	0·124	12·96	49387	Contains coumarin. Mixture.
" 18	" ..	49389	W. G. Wade, 985 Queen St., East, Toronto.	3	36	.....	J. M. Lowes Co., Ltd., Toronto.	Our own manufacturing for vendors.	0·234	0·161	46·38	49389	Vanillin high. Artificial.
" 18	" ..	49390	Robert Ross, 743 Queen St. East, Toronto.	3 "	30	.....	Unknown	Integrity World Brand. Double strength.	0·039	0·106	8·10	49390	Contains coumarin. Mixture.
May 1	" ..	49391	Carral's Cash grocery, 146 James St. N., Hamilton	3 "	15	.. ..	F. F. Dalley Co., Hamilton.	Lone Star.	0·095	0·191	15·84	49591	" "
" 1	" ..	49399	E. R. Horning, 140 John St. North, Hamilton.	3 "	24	.....	" ..	Topical Flav. Ext.	0·126	0·087	15·66	49399	" "

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report (Is not an expression of opinion.)	Results of Analysis. Vanillin per 100cc.	Coumarin per 100cc.	Alcohol by Volume.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
DISTRICT OF LONDON—JNO. TALBOT, ACTING INSPECTOR.													
1912.													
May 7	Vanilla Extract.	48257	W. R. Butcher, St. Mary's.	3 bots.	30	Hamilton Coffee & Spice Co., Hamilton.	.....	....	0·048	0·055	19·15	48257	Contains coumarin. Mixture.
" 7	" ..	48259	F. W. Hutton, St. Mary's.	3 "	30	F. F. Dalley & Co., Hamilton.	.....	.. ..	0·104	None.	27·90	48259	No coumarin. Genuine.
" 8	" ..	48265	Stuebing & Son, Berlin.	3 "	30	Gorman Eckert Co., London.	....	Golden Gem. Pure Extract.	0·046	0·046	21·82	48265	Contains coumarin. Mixture.
" 8	" .	48267	Schell Bros., Berlin.	3 "	75	Henri Jonas, Montreal.	....	Royal Quintessence. Pure Vanilla	0·273	None.	32·10	48267	No coumarin. Vanillin high. Contains syethetic vanillin. Artificial.
" 8	" ..	48269	Dunke & Co, Berlin.	3 "	30	Hamilton Chemical Works, Hamilton.	....	Prime Extract. ...	0·143	0·041	27·90	48269	Contains coumarin. Mixture.
DISTRICT OF WINDSOR—JNO. TALBOT, INSPECTOR.													
May 2	Vanilla Extract.	48237	F. McDougall, Ingersoll.	3 bots.	30	I. E. Co., Toronto.	.....	....	0·108	0·060	15·00	48237	Contains coumarin. Mixture.
" 2	" ..	48240	C. A. O'Neil, estate, Ingersoll.	3 "	30	Gorman Eckert Co., London, O.	....	Oriental flav. Ext.	0·108	0·055	20·42	48240	" "
" 3	" ..	48246	Poole & Co., Woodstock, O.	3 "	75	Shirriffs, Montreal	... .	Shirriff's Imperial.	0·230	0·032	38·16	48246	Vanillin high. Artificial.
" 3	" ..	48247	Fred Millman, Woodstock, O.	3 "	30	Gorman Eckert Co., London, O.	.....	Rose brand	0·056	0·069	22·70	48247	Contains coumarin. Mixture.
" 3	" ..	48248	Jos. Parker, Woodstock, O.	3 "	30	Canada Spices grocery Co., London, Ont.	.....	Victoria Brand ...	0·069	0·087	20·76	48248	" "

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DISTRICT OF MANITOBA—A. C. LARIVIÈRE—INSPECTOR.

April 16	Vanilla Extract.	48636	St. James Cash grocery, St. James.	3 bots.	75	The Dyson Co., Winnipeg.	Manufacturers..	Red Cross.....	1·020	0·064	32·66	48636	Vanillin very high. Artificial.
" 16	" ..	48637	Duncan & Hunter, St. James.	3 "	45	" " ..	" ..	Royal	0·968	0·101	28·54	48637	" "
" 17	" ..	48638	W. A. Bartram, Portage Ave., Winnipeg.	3 "	25	North Star M'f'g. Co., Winnipeg.	Unknown	Sterling	0·260	0·055	19·15	48638	Vanillin high. Artificial.
" 17	" ..	48639	J. Paterson, Portage Ave., Winn.	3 "	25	Vendor	"	Jewel. put up for vendor.	0·061	0·060	20·06	48639	Contains coumarin. Mixture.
" 18	" ..	48640	R. McCullouch, Portage Ave., Winnipeg.	3 "	30	Unknown	"	.....	0·022	0·133	19·40	48640	" "

DISTRICT OF CALGARY—R. W. FLETCHER, INSPECTOR.

April 7	Vanilla Extract.	44155	Campbell, Wilson & Horne, Lethbridge.	3 bots.	60	Campbell Bros. & Wilson, Winnipeg.	.....	.....	0·052	0·101	21·64	44155	Contains coumarin. Mixture.
" 7	" ..	44156	" ..	3 "	50	Gorman & Eckert Co., London, Ont	.....	.....	0·291	0·060	24·65	44156	Vanillin high artificial.
" 7	" ..	44157	H. A. McKillop Co., Lethbridge.	3 "	75	Gold Standard Mfg. Co., Winnipeg.	.....	.....	0·195	None.	33·60	44157	No coumarin. Genuine.
" 7	" ..	44158	A. MacDonald Co., Lethbridge.	3 "	75	White Star Mfg. Co., Winnipeg.	.....	.....	0·069	0·110	29·68	44158	Contains coumarin. Mixture.
" 7	" ..	44159	Hudson Bay Co., Lethbridge.	3 "	60	.....	.....	Put up for Hudson Bay Co.	0·282	None.	30·85	44159	No coumarin. Vanillin high. Contains synthetic vanillin. Artificial.

DISTRICT OF NELSON—THOS. PARKER, INPECTOR.

April 18	Vanilla Extract.	49644	W. H. Smith, Vernon, B.C.	3 bots.	60	Kelly, Douglas & Co., Vancouver.	.....	.....	0·308	0·101	18·90	49644	Vanillin high. Artificial.
" 18	" .	49645	" ..	3 "	60	W. H. Malkin, Vancouver.	.....	.....	0·213	0·057	37·95	49645	Vanillin high. Mixture.
" 18	" ..	49646	" ..	3 "	60	Pure Gold Mfg. Co., Toronto.	.....	.....	0·078	None.	38·78	49646	No coumarin. Genuine.
" 18	" ..	49650	W. R. Megaw, Vernon, B.C.	3 "	60	Empress Mfg. Co., Vancouver.	.....	.....	0·139	0·088	25·36	49650	Contains coumarin. Mixture.
" 18	" ..	49651	" ..	3 "	75	Climax Ext. Co., Vancouver.	.....	.....	0·123	0·083	23·04	49651	" "

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report (Is not an expression of Opinion.	Results of Analysis.			No. of Sample.	Remarks and Opinion of the Chief Analyst.
				Quality.	Cents.	Manufacturer.	Furnisher.		Vanillin per 100cc.	Coumarin per 100cc.	Alcohol by Volume.		
DISTRICT OF VANCOUVER—J. F. POWER, INSPECTOR.													
1912.													
May 1	Vanilla	38321	H. A. Edgett, Vancouver.	3 bots.	75	Gorman, Eckert & Co., Winnipeg.		Gorman's Pure Flavour Extract.	0·065	0·096	21·82	38321	Contains coumarin. Mixture.
" 1	"	38322	Woodward Dept. Stores. Vancouver.	3 "	75	Royal Extract Co., Vancouver.		Vanilla Extract	0·065	0·046	17·10	38322	" "
" 1	"	38323	McTaggart's Grocery, Vancouver.	3 "	75	Empress Mfg. Co., Vancouver.		"	0·091	0·037	27·04	38323	" "
" 1	"	38324	McDowell's Grocery, Vancouver.	3 "	195	White Star Mfg. Co., Ltd., Winnipeg.		Pure Fruit Flavour	0·091	0·110	35·60	38324	" "
" 1	"	38325	Armour MacFarlane, Vancouver.	3 "	120	Pure Gold Mfg. Co., Toronto.		Vanilla Flav. Ext.	0·065	None.	33·60	38325	No coumarin. Genuine.
DISTRICT OF VICTORIA D. O'SULLIVAN, INSPECTOR.													
April 23	Vanilla Extract.	49135	Windsor Grocery Co., Victoria.	3 bots.	75	Sheriff's Mfg. Co., Toronto.		Shirriff's Imported quint essence true Vanilla.	0·204	0·046	39·60	49135	Vanillin high, containing coumarin mixture.
" 24	"	49136	The West End Grocery Co., Ltd., Victoria.	3 "	75	Pure Gold Mfg. Co., Toronto.		Pure Gold Vanilla Extract.	0·061	None.	33·90	49136	No coumarin. Genuine.
" 24	"	49137	Harrison & McDonald, Victoria	3 "	75	Empress Mfg. Co., Vancouver.		"Empress Brand"	0·148	0·068	29·12	49137	Contains coumarin. Mixture.
" 25	"	49138	Dixi H. Ross & Co., Victoria.	3 "	75	Imperial Ext. Co., Toronto.		"Dixi" Brand	0·321	0·074	17·76	49138	Vanillin high. Artificial.
" 25	"	49139	E. G. Bailey, Victoria.	3 "	60	W. A. Jameson Coffee Co., Victoria.		Victoria Brand Vanilla Flavour.	0·490	0·138	34·34	49139	Vanillin very high. Artificial.